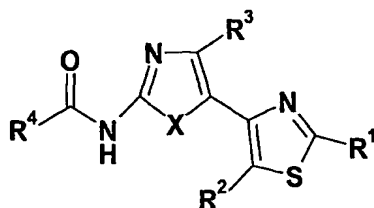


Claims

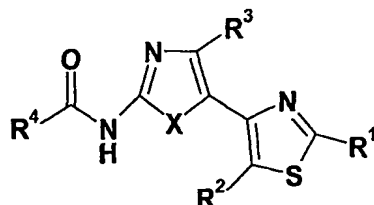
1. A thiazole derivative according to Formula (I),



(I)

- 5 wherein R¹ is a moiety of the formula -NR⁵R⁶;
 R², R³ and R⁵ are selected independently from H, C₁-C₆-alkyl, C₂-C₆-alkenyl and C₂-C₆-alkynyl;
 R⁴ is selected from H, C₁-C₆-alkyl, C₂-C₆-alkenyl and C₂-C₆-alkynyl and NR⁸R⁹
 wherein R⁸ and R⁹ are independently selected from H, C₁-C₆-alkyl, C₂-C₆-alkenyl,
 10 C₂-C₆-alkynyl, C₁-C₆-alkyl alkoxy carbonyl and C₁-C₆-alkyl acyloxy;
 R⁶ is selected from C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₆-alkyl alkoxy,
 aryl, heteroaryl, C₃-C₈-cycloalkyl, C₃-C₈-heterocycloalkyl, C₁-C₆-alkyl aryl, C₁-C₆-
 alkyl heteroaryl, C₁-C₆-alkyl C₃-C₈-cycloalkyl, C₁-C₆-alkyl C₃-C₈-heterocycloalkyl,
 C₁-C₆-alkyl acyl, C₁-C₆-alkyl carboxy, C₁-C₆-alkyl amino, C₁-C₆-alkyl
 15 aminocarbonyl, C₁-C₆-alkyl alkoxycarbonyl and C₁-C₆-alkyl acyl amino; or R⁵ and R⁶,
 together with the carbon atoms they are linked to, form a 5-8-membered saturated or
 aromatic ring containing optionally one or more heteroatoms selected from O, N and
 S;
 X is selected from S and O; as well as isomers of these for use as a medicament.

2. A thiazole derivative according to Formula (I),



(I)

wherein R¹ is a moiety of the formula -NR⁵R⁶;

R², R³ and R⁵ are selected independently from H, C₁-C₆-alkyl, C₂-C₆-alkenyl and C₂-C₆-alkynyl;

R⁴ is selected from H, C₁-C₆-alkyl, C₂-C₆-alkenyl and C₂-C₆-alkynyl and NR⁸R⁹ wherein R⁸ and R⁹ are independently selected from H, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₆-alkyl alkoxy carbonyl and C₁-C₆-alkyl acyloxy;

R⁶ is selected from C₁-C₆-alkyl, C₂-C₆-alkynyl, C₁-C₆-alkyl alkoxy, heteroaryl, C₃-C₈-cycloalkyl, C₁-C₆-alkyl C₃-C₈-cycloalkyl, C₁-C₆-alkyl C₃-C₈-heterocycloalkyl, C₁-C₆-alkyl acyl, C₁-C₆-alkyl carboxy, C₁-C₆-alkyl amino, C₁-C₆-alkyl aminocarbonyl, C₁-C₆-alkyl alkoxycarbonyl and C₁-C₆-alkyl acyl amino; or R⁵ and R⁶, together with the carbon atoms they are linked to, form a 5-8-membered saturated or aromatic ring containing optionally one or more heteroatoms selected from O, N and S;

X is selected from S and O; as well as isomers, of these.

3. A thiazole derivative according to claims 1 or 2 wherein R² is H.

4. A thiazole derivative according to claims 1 to 2 wherein R³ is methyl.

5. A thiazole derivative according to any one of the preceding claims wherein R⁴ is selected from C₁-C₆-alkyl, C₂-C₆-alkenyl and C₂-C₆-alkynyl.

6. A thiazole derivative according to any one of the preceding claims wherein R⁵ is H and R⁶ is selected from C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₆-alkyl alkoxy and C₃-C₈-cycloalkyl C₁-C₆-alkyl and C₃-C₈-heterocycloalkyl C₁-C₆-alkyl.
- 5 7. A thiazole derivative according to any one of the claims 1 through 4 wherein R⁵ is H and R⁶ is selected from aryl C₁-C₆-alkyl and heteroaryl C₁-C₆-alkyl.
8. A thiazole derivative according to any one of the claims 1 through 4 wherein R⁵ is H and R⁶ is selected from aryl and heteroaryl.
- 10 9. A thiazole derivative according to any one of the claims 1 through 4 wherein R⁵ is H and R⁶ is selected from phenyl and pyridine.
- 10 10. A thiazole derivative according according to any one of the claims 1 through 4 wherein R⁵ and R⁶, together with the carbon atoms they are linked to, form a 5-8-membered saturated or aromatic ring containing optionally one or more heteroatoms selected from O, N and S.
- 15 11. A thiazole derivative according according to any one of the claims 1 through 10 wherein R¹ is -NR⁵R⁶; R² is H; R³ is methyl; R⁴ is selected from C₁-C₆-alkyl, C₂-C₆-alkenyl; C₂-C₆-alkynyl and -NR⁸R⁹ wherein R⁸ and R⁹ are independently selected from H, C₁-C₆-alkyl, C₂-C₆-alkenyl; C₂-C₆-alkynyl and C₁-C₆-alkyl alkoxycarbonyl; R⁵ is H and R⁶ is selected from C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₆-alkyl alkoxy, C₁-C₆-alkyl acyl, C₁-C₆-alkyl carboxy, C₁-C₆-alkyl acylamino, C₁-C₆-alkyl amino, C₁-C₆-alkyl aminocarbonyl, C₁-C₆-alkyl alkoxycarbonyl, C₁-C₆-alkyl C₃-C₈-cycloalkyl and C₁-C₆-alkyl heterocycloalkyl and X is S.
- 20
- 25

12. A thiazole derivative according according to any one of the claims 1 through 10 wherein R^1 is $-NR^5R^6$; R^2 is H; R^3 is methyl; R^4 is selected from C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl; C_2 - C_6 -alkynyl and $-NR^8R^9$ wherein R^8 and R^9 are independently selected from H, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl; C_2 - C_6 -alkynyl and C_1 - C_6 -alkyl alkoxycarbonyl; R^5 is H and R^6 is selected from C_1 - C_6 -alkyl aryl and C_1 - C_6 -alkyl heteroaryl and X is S.
13. A thiazole derivative according according to any one of the claims 1 through 10 wherein R^1 is $-NR^5R^6$; R^2 is H; R^3 is methyl; R^4 is selected from C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl; C_2 - C_6 -alkynyl and $-NR^8R^9$ wherein R^8 and R^9 are independently selected from H, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl; C_2 - C_6 -alkynyl and C_1 - C_6 -alkyl alkoxycarbonyl; R^5 is H and R^6 is selected from aryl and heteroaryl and and X is S.
14. A thiazole derivative according according to any one of the claims 1 through 10 wherein R^1 is $-NR^5R^6$; R^2 is H; R^3 is methyl; R^4 is selected from optionally substituted C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl; C_2 - C_6 -alkynyl and $-NR^8R^9$ wherein R^8 and R^9 are independently selected from H, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl; C_2 - C_6 -alkynyl and C_1 - C_6 -alkyl alkoxycarbonyl; R^5 is H and R^6 is selected from heterocycloalkyl and C_3 - C_8 -cycloalkyl and X is S.
15. A thiazole derivative according according to any one of the claims 1 through 10 wherein R^1 is $-NR^5R^6$; R^2 is H; R^3 is methyl; R^4 is selected from optionally substituted C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl; C_2 - C_6 -alkynyl and $-NR^8R^9$ wherein R^8 and R^9 are independently selected from H, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl; C_2 - C_6 -alkynyl and C_1 - C_6 -alkyl alkoxycarbonyl; R^5 and R^6 , together with the carbon atoms they are linked to, form an optionally substituted 5-8-membered saturated or aromatic ring containing optionally one or more heteroatoms selected from O, N and S. and X is S.

16. A thiazole derivative according to claim 1, selected from the following group:
- 3-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino} benzoic acid;
 - 4-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino} benzoic acid;
 - N-[2-(benzylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - 5 N-[4'-methyl-2-[(2-phenylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - N-(4'-methyl-2-piperidin-1-yl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
 - N-[2-(allylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - N-[4'-methyl-2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - N-[4'-methyl-2-(pyridin-2-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - 10 N-[2-[(4-methoxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - N-[2-[(4-hydroxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - N-[4'-methyl-2-[(4-nitrophenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - 4-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino} benzamide;
 - N-[2-({4-[(4-benzylpiperazin-1-yl)carbonyl]phenyl}amino)-4'-methyl-4,5'-bi-1,3-
 - 15 thiazol-2'-yl]acetamide;
 - N-(2-anilino-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
 - N-(4'-methyl-2-morpholin-4-yl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
 - N-[4'-methyl-2-(4-methylpiperazin-1-yl)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - Methyl 1-[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]piperidine-3-
 - 20 carboxylate;
 - N-[2-[4-(2-hydroxyethyl)piperidin-1-yl]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]
 - acetamide;
 - N-(4'-methyl-2-pyrrolidin-1-yl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
 - N-[2-(3-hydroxypyrrolidin-1-yl)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - 25 N-[2-(tert-butylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - N-[2-[(6-methoxypyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - N-[2-[(6-chloropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
 - N-[2-[(4-cyanophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;

- N-{2-[(4-chlorophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-{2-[(2-chlorophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-{2-[(2-methoxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-{2-[(3-chlorophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
5 N-{2-[(3-hydroxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-{4'-methyl-2-[(2-morpholin-4-ylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{4'-methyl-2-[(2-piperidin-1-ylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(2-methoxyethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-[2-(cyclohexylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
10 N-{4'-methyl-2-[(3-morpholin-4-ylpropyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}
acetamide;
N-{4'-methyl-2-[(tetrahydrofuran-2-ylmethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}
acetamide;
N-{2-[(2-hydroxy-2-phenylethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}
15 acetamide;
N-[2-(1-benzofuran-5-ylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-{2-[(3-cyanophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
[4'-methyl-2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]formamide;
Ethyl N-({[2-(allylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino}carbonyl)-beta-
20 alaninate;
N-{4-methyl-5-[2-(pyridin-3-ylamino)-1,3-thiazol-4-yl]-1,3-oxazol-2-yl} acetamide;
N-{2-[(2-fluoropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(2-cyanoethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-{2-[(3,3-diethoxypropyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
25 N-{2-[(2,2-diethoxyethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{4'-methyl-2-[(2-oxo-2-phenylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(2-chloropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;

- N-(4'-methyl-2-{{3-(1,3-oxazol-5-yl)phenyl}amino}-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- N-(4'-methyl-2-{{3-(1H-tetrazol-5-yl)phenyl}amino}-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- 5 N-(4'-methyl-2-{{4-(1H-tetrazol-5-yl)phenyl}amino}-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- N-{4'-Methyl-2-[2-(1H-tetrazol-5-yl)-ethylamino]-[4,5']bithiazolyl-2'-yl}-acetamide;
- N-(2-{{3-(5-hydroxy-1,3,4-oxadiazol-2-yl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- 10 N-(2-{{3-(5-amino-1,3,4-thiadiazol-2-yl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- N-[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]-beta-alanine;
- 5-(2-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl}amino}ethyl)-1,3,4-oxadiazol-2-olate;
- 15 4-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl}amino}butanoic acid;
- N-(2-{{3-(5-hydroxy-1,3,4-oxadiazol-2-yl)propyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- 3-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl}amino}-N-hydroxy benzamide;
- 20 3-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl}amino}-N-hydroxy benzene carboximidic acid;
- N-(2-{{3-(5-hydroxy-1,2,4-oxadiazol-3-yl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- N-[2-{{3-[(Z)-(2,4-dioxo-1,3-thiazolidin-5-ylidene)methyl]phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- 25 N-[4'-methyl-2-{{4-[(pyridin-2-ylamino)sulfonyl]phenyl}amino}-4,5'-bi-1,3-thiazol-2'-yl]acetamide;

- N-(2-{{2-(2-hydroxyethyl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- N-(2-{{3-(hydroxymethyl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- 5 N-(2-{{4-(2-hydroxyethyl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- N-[2-{{3-((2-hydroxyethyl)sulfonyl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-
yl]acetamide;
- N-[2-{{4-((dimethylamino)sulfonyl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-
10 yl]acetamide;
- N-(2-{{3-(aminosulfonyl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- N-{2-[(2-chloropyridin-4-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-[4'-methyl-2-{{4-[(methylamino)sulfonyl]phenyl}amino}-4,5'-bi-1,3-thiazol-2'-yl]
15 acetamide;
- N-(5-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino}pyridin-2-yl)
acetamide;
- N-[2-(2,3-dihydro-1-benzofuran-5-ylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]
acetamide;
- 20 N-(4'-methyl-2-{{2-(1-methylpyrrolidin-2-yl)ethyl}amino}-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- N-{4'-methyl-2-[(2-pyrrolidin-1-ylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-(4'-methyl-2-{{3-(2-oxopyrrolidin-1-yl)propyl}amino}-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- 25 N-(2-{{2-(acetylamino)ethyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-(2-{{2-(dimethylamino)ethyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- N-{2-[(2-hydroxyethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;

- N-(2-{[2-(4-hydroxyphenyl)ethyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-(2-{[3-(dimethylamino)propyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- 5 N-{2-[(3-hydroxypropyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-(2-{[3-(1H-imidazol-1-yl)propyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-3~-{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl}-beta-alaninamide;
- N-{4'-methyl-2-[(2-methylprop-2-en-1-yl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- 10 N-{2-[(2-hydroxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-{2-[(6-fluoropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-{2-[(4-cyanophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-{2-[(6-cyanopyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- 15 N-{2-[(3-methoxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- 3-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} benzamide;
- N-{4'-methyl-2-[(2-nitrophenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-{4'-methyl-2-[(3-nitrophenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-[4'-methyl-2-(quinolin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- 20 N-[4'-methyl-2-(quinolin-5-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-[4'-methyl-2-(quinolin-6-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-[2-(cyclopentylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-[2-(cyclopropylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-{4'-methyl-2-[(pyridin-3-ylmethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- 25 N-{2-[(4-hydroxybutyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-(4'-methyl-2-{[3-(methylsulfonyl)phenyl]amino}-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-{4'-methyl-2-[(3-pyrrolidin-1-ylpropyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;

- N-{2-[(1,1-dioxido-1-benzothien-6-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}
acetamide;
- N-(2-[(1-ethylpyrrolidin-2-yl)methyl]amino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- 5 N-{2-[(cyanomethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-[2-(isobutylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-{2-[(2,2-dimethylpropyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-(2-[(cis)-2-(hydroxymethyl)cyclohexyl]amino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-
yl)acetamide;
- 10 N-(2-[(trans)-2-(hydroxymethyl)cyclohexyl]amino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-
yl)acetamide;
- N-[2-(sec-butylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-{4'-methyl-2-[(pyridin-4-ylmethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-(4'-methyl-2-{4-(morpholin-4-ylsulfonyl)phenyl}amino)-4,5'-bi-1,3-thiazol-2'-yl)
15 acetamide;
- N-[2-{3-[(butylamino)sulfonyl]phenyl}amino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]
acetamide;
- N-{2-[(cyclopropylmethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-[2-(cyclobutylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- 20 N-[2-(2,3-dihydro-1H-inden-2-ylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]
acetamide;
- N-(4'-methyl-2-{2-(methylsulfonyl)phenyl}amino)-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- N-(4'-methyl-2-{2-(1H-1,2,4-triazol-1-yl)ethyl}amino)-4,5'-bi-1,3-thiazol-2'-yl)
25 acetamide;
- N-(2-{3-(1-hydroxyethyl)phenyl}amino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;

- Methyl (4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} phenyl) acetate;
- Methyl N-(4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} benzoyl)-beta-alaninate;
- 5 Methyl N-(4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} benzoyl) glycinate;
- Methyl 3-(3-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} phenyl) propanoate;
- 3-(4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} phenyl) propanoic acid;
- 10 Methyl 4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} butanoate;
- Methyl (3-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} phenyl) acetate;
- N-[2-(allylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]urea;
- 15 N-[4'-methyl-2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]urea;
- N-(4'-methyl-2-piperidin-1-yl-4,5'-bi-1,3-thiazol-2'-yl)urea;
- N-(2-anilino-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)urea;
- N-{2-[(4-hydroxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}urea;
- N-[2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- 20 (4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} phenyl)acetic acid;
- N-(4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} benzoyl)-beta-alanine;
- N-(4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} benzoyl)glycine;
- 3-(3-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino} phenyl) propanoic acid;
- 25 N-{2-[(4-ethoxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-{4'-methyl-2-[(4-methylphenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;

- N-{2-[(4-{[(4,6-dimethylpyrimidin-2-yl)amino]sulfonyl}phenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- N-{4'-methyl-2-[(4-{[(5-methylisoxazol-3-yl)amino]sulfonyl}phenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- 5 N-[2-(allylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]propanamide;
- N-{2-[(4-{[(2,6-dimethoxypyrimidin-4-yl)amino]sulfonyl}phenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- N-{4'-methyl-2-[(4-{[(5-methylisoxazol-3-yl)amino]sulfonyl}phenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}propanamide;
- 10 N-{2-[(4-{[(4,6-dimethylpyrimidin-2-yl)amino]sulfonyl}phenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}propanamide;
- N-(4-{2'-(acetyl-amino)-4-methyl-4,5'-bi-1,3-thiazol-2-yl}amino}phenyl)acetamide;
- N-{2-[(4-aminophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- N-{2-[(2-ethylphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- 15 N-{4'-methyl-2-[(2-methylphenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- N-{2-[(4-bromophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- N-(2-{[4-(aminosulfonyl)phenyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- N-{2-[(2,5-dimethoxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- 20 N-{2-[(3-acetylphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- N-(2-{[4-(dimethylamino)phenyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide.
17. A thiazole derivative according to claim 2, selected from the following group:
- 25 N-(4'-methyl-2-piperidin-1-yl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- N-[4'-methyl-2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-[4-methyl-2-(pyridin-2-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-(4'-methyl-2-morpholin-4-yl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;

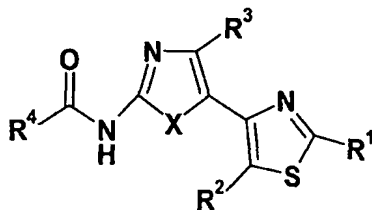
- N-[4'-methyl-2-(4-methylpiperazin-1-yl)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
Methyl 1-[2-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]piperidine-3
carboxylate;
N-{2-[4-(2-hydroxyethyl)piperidin-1-yl]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}
5 acetamide;
N-(4'-methyl-2-pyrrolidin-1-yl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
N-[2-(3-hydroxypyrrolidin-1-yl)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-[2-(tert-butylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-{2-[(6-methoxypyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}
10 acetamide;
N-{2-[(6-chloropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{4'-methyl-2-[(2-morpholin-4-ylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{4'-methyl-2-[(2-piperidin-1-ylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(2-methoxyethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
15 N-[2-(cyclohexylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-{4'-methyl-2-[(3-morpholin-4-ylpropyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}
acetamide;
N-{4'-methyl-2-[(tetrahydrofuran-2-ylmethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}
acetamide;
20 N-[2-(1-benzofuran-5-ylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
[4'-methyl-2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]formamide;
N-{4-methyl-5-[2-(pyridin-3-ylamino)-1,3-thiazol-4-yl]-1,3-oxazol-2-yl} acetamide;
N-{2-[(2-fluoropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(2-cyanoethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
25 N-{2-[(3,3-diethoxypropyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(2,2-diethoxyethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{4'-methyl-2-[(2-oxo-2-phenylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(2-chloropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;

- N-[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]-beta-alanine;
4-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino}butanoic acid;
N-{2-[(2-chloropyridin-4-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-(5-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino}pyridin-2-yl)
5 acetamide;
N-[2-(2,3-dihydro-1-benzofuran-5-ylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]
acetamide;
N-(4'-methyl-2-{[2-(1-methylpyrrolidin-2-yl)ethyl]amino}-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
10 N-{4'-methyl-2-[(2-pyrrolidin-1-ylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-(4'-methyl-2-{[3-(2-oxopyrrolidin-1-yl)propyl]amino}-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
N-(2-{[2-(acetylamino)ethyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
N-(2-{[2-(dimethylamino)ethyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
15 acetamide;
N-{2-[(2-hydroxyethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-(2-{[3-(dimethylamino)propyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
N-{2-[(3-hydroxypropyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
20 N-3-~-[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]-beta-alaninamide;
N-{2-[(6-cyanopyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-[4'-methyl-2-(quinolin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-[4'-methyl-2-(quinolin-5-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-[4'-methyl-2-(quinolin-6-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
25 N-[2-(cyclopentylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-[2-(cyclopropylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-{2-[(4-hydroxybutyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{4'-methyl-2-[(3-pyrrolidin-1-yl)propyl]amino}-4,5'-bi-1,3-thiazol-2'-yl} acetamide;

- N-{2-[(1,1-dioxido-1-benzothien-6-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}
acetamide;
- N-(2-[[[(1-ethylpyrrolidin-2-yl)methyl]amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]
acetamide;
- 5 N-{2-[(cyanomethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- N-[2-(isobutylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-{2-[(2,2-dimethylpropyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-(2-[[[(cis)-2-(hydroxymethyl)cyclohexyl]amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-
yl]acetamide;
- 10 N-(2-[[[(trans)-2-(hydroxymethyl)cyclohexyl]amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-
yl]acetamide;
- N-[2-(sec-butylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-{2-[(cyclopropylmethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-[2-(cyclobutylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- 15 N-[2-(2,3-dihydro-1H-inden-2-ylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]
acetamide;
- methyl 4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino} butanoate;
- N-[4'-methyl-2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]urea;
- N-(4'-methyl-2-piperidin-1-yl-4,5'-bi-1,3-thiazol-2'-yl)urea.

20

18. Use of a thiazole derivative according to Formula (I):



(I)

wherein R^1 is a moiety of the formula $-NR^5R^6$;

R^2 , R^3 and R^5 are selected independently from H, C₁-C₆-alkyl, C₂-C₆-alkenyl and C₂-C₆-alkynyl;

R^4 is selected from H or C₁-C₆-alkyl, C₁-C₆-alkenyl and C₂-C₆-alkynyl and NR^8R^9 wherein R^8 and R^9 are independently selected from C₁-C₆-alkyl, C₂-C₆-alkenyl and C₂-C₆-alkynyl;

R^6 is selected from H, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₆-alkyl alkoxy, aryl, heteroaryl, C₃-C₈-cycloalkyl, C₃-C₈-heterocycloalkyl, aryl C₁-C₆-alkyl, heteroaryl C₁-C₆-alkyl, C₃-C₈-cycloalkyl C₁-C₆-alkyl and C₃-C₈-heterocycloalkyl C₁-C₆-alkyl; or R^5 and R^6 , together with the carbon atoms they are linked to, form a 5-8-membered saturated, partially unsaturated or aromatic ring containing optionally one or more heteroatoms selected from O, N and S; X is selected from O and S; as well as isomers and mixtures of these for the preparation of a medicament for the prophylaxis and/or treatment of autoimmune disorders and/or inflammatory diseases, cardiovascular diseases, neurodegenerative diseases, bacterial or viral infections, kidney diseases, platelet aggregation, cancer, transplantation, graft rejection or lung injuries.

19. Use according to claim 18, wherein said diseases are selected in the group including Alzheimer's disease, Huntington's disease, CNS trauma, stroke or ischemic conditions.

20. Use according to claim 18, wherein said diseases are selected in the group including multiple sclerosis, psoriasis, rheumatoid arthritis, multiple sclerosis, systemic lupus erythematosus, inflammatory bowel disease, lung inflammation, thrombosis or brain infection/inflammation such as meningitis or encephalitis.

21. Use according to claim 18, wherein said diseases are selected in the group including atherosclerosis, heart hypertrophy, cardiac myocyte dysfunction, elevated blood pressure or vasoconstriction.
- 5 22. Use according to claim 18, wherein said diseases are selected in the group including chronic obstructive pulmonary disease, anaphylactic shock fibrosis, psoriasis, allergic diseases, asthma, stroke or ischemic conditions, ischemia-reperfusion, platelets aggregation/activation, skeletal muscle atrophy/hypertrophy, leukocyte recruitment in cancer tissue, angiogenesis, invasion metastasis, in particular melanoma, Kaposi's
10 sarcoma, acute and chronic bacterial and viral infections, sepsis, graft rejection, glomerulo sclerosis, glomerulo nephritis, progressive renal fibrosis, endothelial and epithelial injuries in the lung or in general lung airways inflammation.
23. Use according to any of claims 18 to 22 for the modulation, in particular for the
15 inhibition, of the PI3 kinase activity.
24. Use according to claim 23, wherein said PI3 kinase is a PI3 kinase γ .
25. Use according to claim 18 to 24 wherein the compound is selected from the group:
20 3-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino}benzoic acid;
4-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl}amino}benzoic acid;
N-[2-(benzylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-{4'-methyl-2-[(2-phenylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-(4'-methyl-2-piperidin-1-yl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
25 N-[2-(allylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-[4'-methyl-2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-[4'-methyl-2-(pyridin-2-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-{2-[(4-methoxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;

- N-{2-[(4-hydroxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{4'-methyl-2-[(4-nitrophenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
4-{[2'-(acetylamino)-4-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino} benzamide;
N-[2-({4-[(4-benzylpiperazin-1-yl)carbonyl]phenyl} amino)-4'-methyl-4,5'-bi-1,3-
5 thiazol-2'-yl]acetamide;
N-(2-amino-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
N-(2-anilino-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
N-(4'-methyl-2-morpholin-4-yl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
N-[4'-methyl-2-(4-methylpiperazin-1-yl)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
10 Methyl 1-[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]piperidine-3-
carboxylate;
N-{2-[4-(2-hydroxyethyl)piperidin-1-yl]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}
acetamide;
N-(4'-methyl-2-pyrrolidin-1-yl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
15 N-[2-(3-hydroxypyrrolidin-1-yl)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-[2-(tert-butylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-{2-[(6-methoxypyridin-3-yl)amino]-4-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(6-chloropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(4-cyanophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
20 N-{2-[(4-chlorophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(2-chlorophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(2-methoxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(3-chlorophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(3-hydroxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
25 N-{4'-methyl-2-[(2-morpholin-4-ylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{4'-methyl-2-[(2-piperidin-1-ylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(2-methoxyethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-[2-(cyclohexylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;

- N-{4'-methyl-2-[(3-morpholin-4-ylpropyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}
acetamide;
- N-{4'-methyl-2-[(tetrahydrofuran-2-ylmethyl)amino]-4,5'-bi-1,3-thiazol-2'-
yl}acetamide;
- 5 N-{2-[(2-hydroxy-2-phenylethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}
acetamide;
- N-[2-(1-benzofuran-5-ylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-{2-[(3-cyanophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
- [4'-methyl-2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]formamide;
- 10 Ethyl N-({[2-(allylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino}carbonyl)-beta-
alaninate;
- N-{4-methyl-5-[2-(pyridin-3-ylamino)-1,3-thiazol-4-yl]-1,3-oxazol-2-yl} acetamide;
- N-{2-[(2-fluoropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-{2-[(2-cyanoethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- 15 N-{2-[(3,3-diethoxypropyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-{2-[(2,2-diethoxyethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-{4'-methyl-2-[(2-oxo-2-phenylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-{2-[(2-chloropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-(4'-methyl-2-{[3-(1,3-oxazol-5-yl)phenyl]amino}-4,5'-bi-1,3-thiazol-2'-yl)
20 acetamide;
- N-(4'-methyl-2-{[3-(1H-tetrazol-5-yl)phenyl]amino}-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- N-(4'-methyl-2-{[4-(1H-tetrazol-5-yl)phenyl]amino}-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
- 25 N-{4'-Methyl-2-[2-(1H-tetrazol-5-yl)-ethylamino]-[4,5']bithiazolyl-2'-yl}-acetamide;
- N-(2-{[3-(5-hydroxy-1,3,4-oxadiazol-2-yl)phenyl]amino}-4'-methyl-4,5'-bi-1,3-
thiazol-2'-yl)acetamide;

- N-(2-{{3-(5-amino-1,3,4-thiadiazol-2-yl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- N-[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]-beta-alanine;
- 5 5-(2-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl}amino}ethyl)-1,3,4-oxadiazol-2-olate;
- 4-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl}amino}butanoic acid;
- N-(2-{{3-(5-hydroxy-1,3,4-oxadiazol-2-yl)propyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- 10 3-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl}amino}-N-hydroxy benzamide;
- 3-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl}amino}-N-hydroxy benzene carboximidic acid;
- N-(2-{{3-(5-hydroxy-1,2,4-oxadiazol-3-yl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- 15 N-[2-({3-[(Z)-(2,4-dioxo-1,3-thiazolidin-5-ylidene)methyl]phenyl}amino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-[4'-methyl-2-({4-[(pyridin-2-ylamino)sulfonyl]phenyl}amino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- 20 N-(2-{{2-(2-hydroxyethyl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- N-(2-{{3-(hydroxymethyl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- N-(2-{{4-(2-hydroxyethyl)phenyl}amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)acetamide;
- 25 N-[2-({3-[(2-hydroxyethyl)sulfonyl]phenyl}amino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-[2-({4-[(dimethylamino)sulfonyl]phenyl}amino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;

- N-(2-{[3-(aminosulfonyl)phenyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-{2-[(2-chloropyridin-4-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-[4'-methyl-2-{4-[(methylamino)sulfonyl]phenyl}amino)-4,5'-bi-1,3-thiazol-2'-yl] acetamide;
- 5 N-(5-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]amino}pyridin-2-yl) acetamide;
- N-[2-(2,3-dihydro-1-benzofuran-5-ylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl] acetamide;
- 10 N-(4'-methyl-2-{[2-(1-methylpyrrolidin-2-yl)ethyl]amino}-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-{4'-methyl-2-[(2-pyrrolidin-1-ylethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-(4'-methyl-2-{[3-(2-oxopyrrolidin-1-yl)propyl]amino}-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- 15 N-(2-{[2-(acetylamino)ethyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-(2-{[2-(dimethylamino)ethyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-{2-[(2-hydroxyethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-(2-{[2-(4-hydroxyphenyl)ethyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- 20 N-(2-{[3-(dimethylamino)propyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-{2-[(3-hydroxypropyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- N-(2-{[3-(1H-imidazol-1-yl)propyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- 25 N-3-[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2-yl]-beta-alaninamide;
- N-{4'-methyl-2-[(2-methylprop-2-en-1-yl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;

- N-{2-[(2-hydroxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(6-fluoropyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(4-cyanophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(6-cyanopyridin-3-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
5 N-{2-[(3-methoxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
3-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino} benzamide;
N-{4'-methyl-2-[(2-nitrophenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{4'-methyl-2-[(3-nitrophenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-[4'-methyl-2-(quinolin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
10 N-[4'-methyl-2-(quinolin-5-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-[4'-methyl-2-(quinolin-6-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-[2-(cyclopentylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-[2-(cyclopropylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
N-{4'-methyl-2-[(pyridin-3-ylmethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
15 N-{2-[(4-hydroxybutyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-(4'-methyl-2-{[3-(methylsulfonyl)phenyl]amino}-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
N-{4'-methyl-2-[(3-pyrrolidin-1-ylpropyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-{2-[(1,1-dioxido-1-benzothien-6-yl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}
20 acetamide;
N-(2-{[(1-ethylpyrrolidin-2-yl)methyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
N-{2-[(cyanomethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-[2-(isobutylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
25 N-{2-[(2,2-dimethylpropyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
N-(2-{[(cis)-2-(hydroxymethyl)cyclohexyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-
yl)acetamide;

- N-(2-[[[(trans)-2-(hydroxymethyl)cyclohexyl]amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-[2-(sec-butylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-{4'-methyl-2-[(pyridin-4-ylmethyl)amino]-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- 5 N-(4'-methyl-2-{[4-(morpholin-4-ylsulfonyl)phenyl]amino}-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-[2-({3-[(butylamino)sulfonyl]phenyl} amino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl] acetamide;
- N-{2-[(cyclopropylmethyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl} acetamide;
- 10 N-[2-(cyclobutylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
- N-[2-(2,3-dihydro-1H-inden-2-ylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl] acetamide;
- N-(4'-methyl-2-{[2-(methylsulfonyl)phenyl]amino}-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- 15 N-(4'-methyl-2-{[2-(1H-1,2,4-triazol-1-yl)ethyl]amino}-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- N-(2-{[3-(1-hydroxyethyl)phenyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl) acetamide;
- Methyl (4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino} phenyl) acetate;
- 20 Methyl N-(4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino} benzoyl)-beta-alaninate;
- Methyl N-(4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino} benzoyl) glycinate;
- 25 Methyl 3-(3-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino} phenyl) propanoate;
- 3-(4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino}phenyl) propanoic acid;

- Methyl 4-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino} butanoate;
Methyl (3-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino} phenyl)
acetate;
N-[2-(allylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]urea;
5 N-[4'-methyl-2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]urea;
N-(4'-methyl-2-piperidin-1-yl-4,5'-bi-1,3-thiazol-2'-yl)urea;
N-(2-anilino-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)urea;
N-{2-[(4-hydroxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}urea;
N-[2-(pyridin-3-ylamino)-4,5'-bi-1,3-thiazol-2'-yl]acetamide;
10 (4-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino}phenyl)acetic acid;
N-(4-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino}benzoyl)-beta-
alanine;
N-(4-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino} benzoyl)glycine;
3-(3-{{2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}amino}phenyl) propanoic
15 acid;
N-{2-[(4-ethoxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-{4'-methyl-2-[(4-methylphenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-{2-[(4-{{(4,6-dimethylpyrimidin-2-yl)amino}sulfonyl}phenyl)amino]-4'-methyl-
4,5'-bi-1,3-thiazol-2'-yl}acetamide;
20 N-{4'-methyl-2-[(4-{{(5-methylisoxazol-3-yl)amino}sulfonyl}phenyl)amino]-4,5'-bi-
1,3-thiazol-2'-yl}acetamide;
N-[2-(allylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]propanamide;
N-{2-[(4-{{(2,6-dimethoxypyrimidin-4-yl)amino}sulfonyl}phenyl)amino]-4'-methyl-
4,5'-bi-1,3-thiazol-2'-yl}acetamide;
25 N-{4'-methyl-2-[(4-{{(5-methylisoxazol-3-yl)amino}sulfonyl}phenyl)amino]-4,5'-bi-
1,3-thiazol-2'-yl}propanamide;
N-{2-[(4-{{(4,6-dimethylpyrimidin-2-yl)amino}sulfonyl}phenyl)amino]-4'-methyl-
4,5'-bi-1,3-thiazol-2'-yl}propanamide;

- N-(4-{[2'-(acetylamino)-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl]amino}phenyl)acetamide;
N-{2-[(4-aminophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-{2-[(2-ethylphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-{4'-methyl-2-[(2-methylphenyl)amino]-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
5 N-{2-[(4-bromophenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-(2-{[4-(aminosulfonyl)phenyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide;
N-{2-[(2,5-dimethoxyphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
N-{2-[(3-acetylphenyl)amino]-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl}acetamide;
10 N-(2-{[4-(dimethylamino)phenyl]amino}-4'-methyl-4,5'-bi-1,3-thiazol-2'-yl)
acetamide.
26. A pharmaceutical composition containing at least one thiazole derivative according to
any of claims 1 to 17 and a pharmaceutically acceptable carrier, diluent or excipient
15 thereof.